

Snix Electronic

Khalder_Digital Refractometer_instruction manual

Front

15 X 33cm Adobe Illustrator CC

khalder SRS03 User Manual

Contents

- 1) SRS03
- 2) Pipets
- 3) Instruction Manual

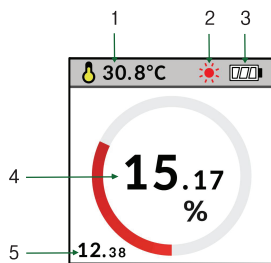
Parts

1. Cover
2. Optical glass sensor
3. Case
4. Color LCD
5. Power button
6. Calibrate button
7. Measure button
8. Location NFC tag



LCD

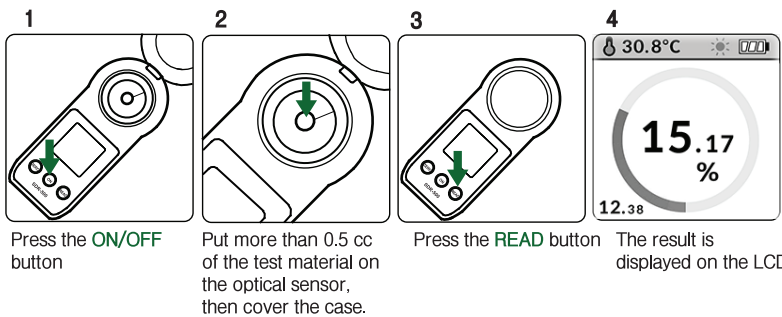
1. Temperature
2. Ambient light (If the ambient light is on, make sure to close the cover before measuring.)
3. Remaining battery
4. Measured Brix % value
5. Previous measured value



Specification

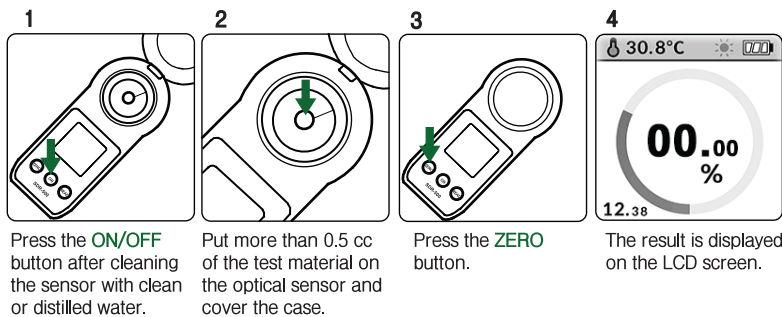
Model name	SRS03	Size	56(W)×122(D)×30(H)mm
Range	Brix : 0.0% ~ 53% Temp : 0.0℃ ~ 60℃	Power	1.5V × 2(AA Alkaline.)
Resolution	Brix : 0.1% Temp : 1.0℃	Unit	% Brix, ℃
Accuracy	Brix : ±0.2% Temp : ±1.0℃	Power saving	90 seconds
Temperature compensation	ATC(10℃~60℃)	Weight	165g(Including product protection covers)
Measure environment	10℃~40℃		

How to Use



- * When measuring, put it in a separate tool such as a paper cup, and use the spoiler contained when dropping the sample.
- * Please discard the samples used for the measurement.

Calibration



Caution

1. Please refer to the instruction manual and always follow the instructions.
2. Mix samples thoroughly for accurate measurement.
3. Keep the optical glass sensor clean after each using. Do not use organic solvents (acetone, benzene, thinner for paints, gasoline, etc) to clean. After removing any dust, make sure to use clean water when cleaning the sensor to prevent scratches.
4. The result can be inaccurate when the usage environment was not followed.
5. Keep in room temperature and at shaded place.
6. The measurement sensor could malfunction in case of scratches, corrosion, foreign substances, or shape deformation.
7. Use the batteries specified in the standard and do not mix rechargeable batteries or used batteries.
8. Avoid dropping and prevent shock.
9. Do not submerge or drench the product completely in water.
10. Keep it out of reach of infants and children, and infants and children are not allowed to use the product.
11. Keep the battery separate when not using for long a time.
12. Do not dismantle or attempt to fix the product.

a. Rule Part 15.19(a)(3): This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

b. Rule Part 15.21: The users manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

Troubleshooting

If product doesn't turn on	Replace with new batteries.
If result takes a long time	Clean the optical glass sensor, then put the test material and try again after 10 seconds.
If result is not reliable	Calibrate when clean water is not measured as 0%. Measure again after closing the cover. Measure again after cleaning the optical glass sensor.

Back side

15 X 33cm Adobe Illustrator CC

khalder Mobile App Settings and Usage

How to use (mobile app)

The value measured by brix refractometer can be read on a mobile phone using NFC. You must activate the NFC function of the mobile phone and place it close to the bottom of the brix refractometer for 1 to 2 seconds to read the value on the mobile phone.

Caution : This feature works on Android and iPhone 7 or newer with NFC function built in.

Download the App

- Download and install the app through Google Play Store or Apple App Store.



Search "Khalder Refractometer."

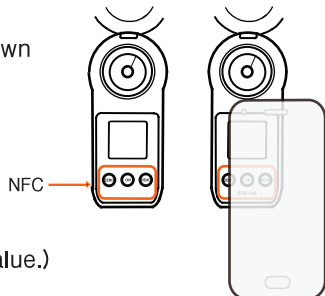
- Turn on the NFC function in your mobile phone. (Refer to the mobile phone manual)

Data Acquisition

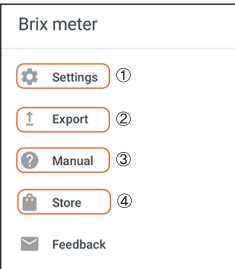
Tag the phone at the bottom of the brix refractometer after measurement is complete. (The value can be read on the phone even when the machine is turned off.)

Caution : Each mobile phone has its own NFC detection area. Be sure to find the correct location.

You need to tag your mobile phone at the bottom of the brix refractometer after starting the app to read the result value. (iPhones must press the home button to read the value.)

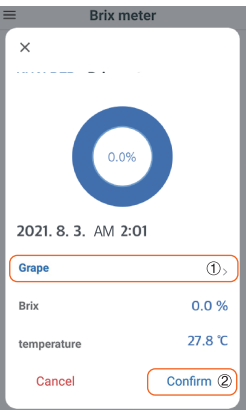


1. Main Menu



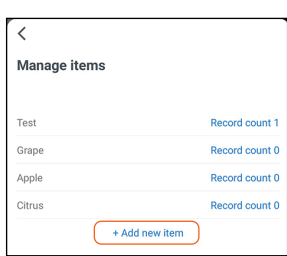
- ① Settings: Add the fruits name
- ② Export: Share the results with others (messenger apps, text, e-mail, etc.)
- ③ Manual: User Manual
- ④ Store: Visit website

3. Saving results



- ① Select the desired "fruit name."
- ② Press Confirm to save.

2. Adding item



Add new "fruit name"

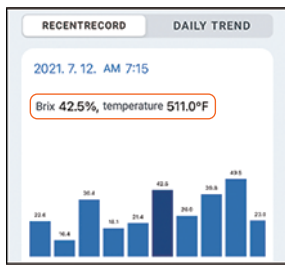
4. Checking the fruit and results



Selecting fruit name
Read the measured data

*Check the recently saved results by selecting the "fruit name."

5. Recently saved results

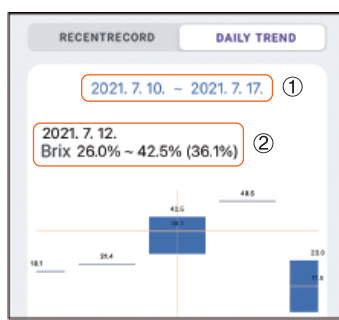


Select the result you want to check to see the date, brix value and temperature. You can zoom in and out the screen.



zoom in and out through drag

6. View daily stats



- ① Select the period you want to check.
- ② You can check the daily minimum and maximum (average) brix value.



zoom in and out through drag

Product warranty

• Product : Khalder Digital Refractometer	• Model : SRS03
• Serial no :	
• Manufacturer : SNIX Electronics	• MADE IN KOREA
• Seller : FHI Korea Co., Ltd (02-703-7710)	
• Guarantee period : 1 year from the date of purchase.	
• Purchase date :	
• Buyer :	• Place of sale :
• When purchasing, you must record the contents in the product guarantee to receive A/S.	